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| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | | Application Number | 10/731,748 |
| | | Filing Date | December 9, 2003 |
| | | First Named Inventor | Charles R. Rapier |
| | | Art Unit | 1764 |
| | | Examiner Name | Thuan D. Dang |
| Total Number of Pages in This Submission | | Attorney Docket Number | 1856-42300 (9719.0-02) |

| ENCLOSURES (check all that apply) | | |
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| <input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Acknowledgment postcard |
| Remarks | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | |
|--|--------------------|-----------------|
| Firm | CONLEY ROSE, P. C. | |
| Signature | | |
| Printed name | Tod T. Tumey | |
| Date | October 12, 2004 | Reg. No. 47,146 |

| CERTIFICATE OF TRANSMISSION/MAILING | | | |
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| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. | | | |
| Typed or Printed Name | Sandra K. Begley | | |
| Signature | | Date | October 12, 2004 |

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

App. No. : 10/731,748

Confirmation No. 4300

Applicant : Charles R. Rapier et al.

Filed : December 9, 2003

TC/A.U. : 1764

Examiner : Thuan D. Dang

Docket No. : 1856-42300 (9719.0-02)

Customer No.: 31889

For: Reactor and Process for Converting Alkanes to Alkenes

RESPONSE TO OFFICE ACTION
DATED SEPTEMBER 14, 2004

Date: October 12, 2004

Mail Stop Amendments
Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In response to the Office Action dated September 14, 2004, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 13 of this paper.